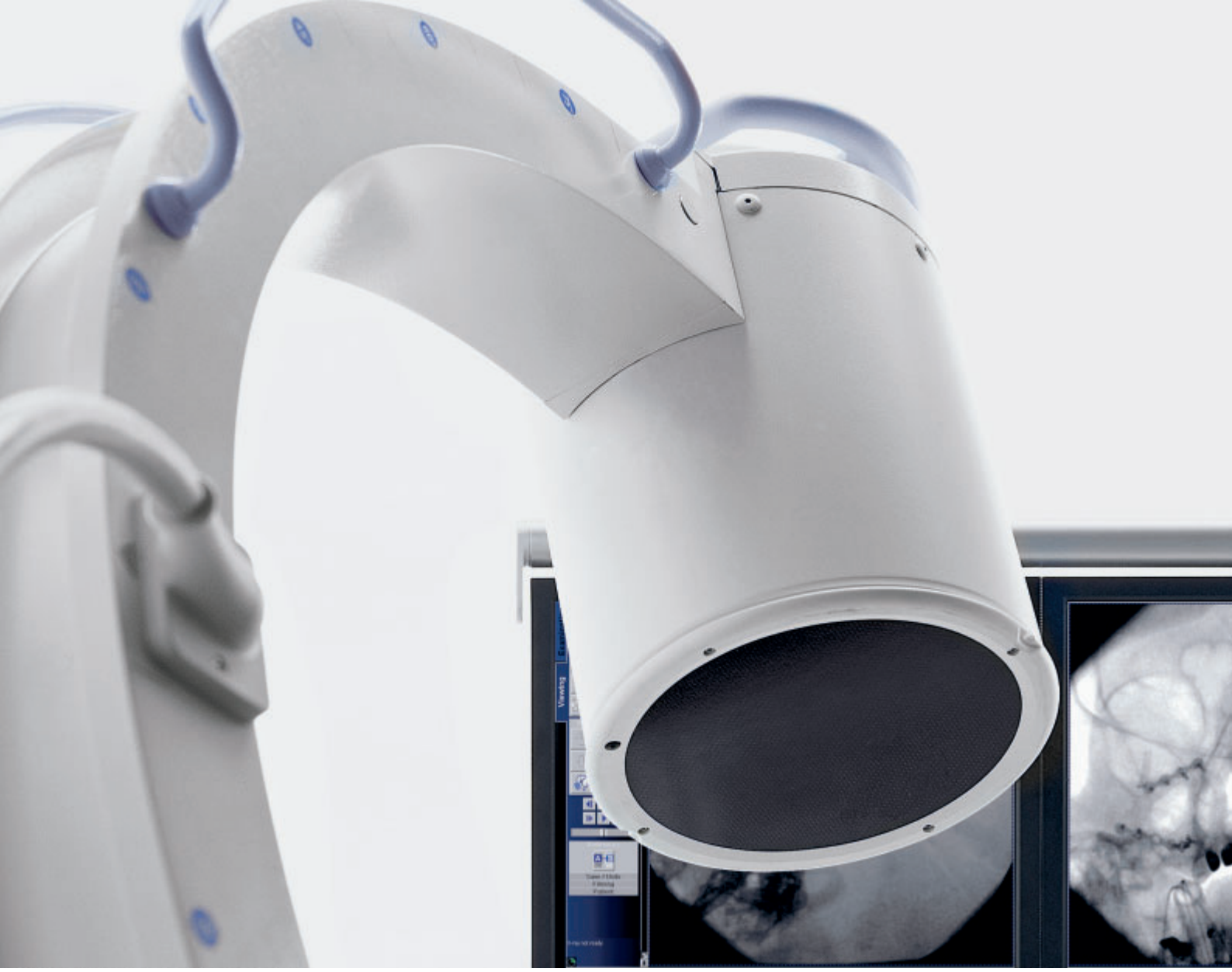


ARCADIS Varic

Maximize efficiency in your OR

SIEMENS

medical

ARCADIS

Bridging the borders of the OR

Discover the new generation of mobile C-arms from Siemens.

ARCADIS® is more than just a new C-arm, even more than simply a new generation of C-arms. ARCADIS marks the start of a new era in the OR, offering completely new possibilities.

***syngo*. It's all about you**

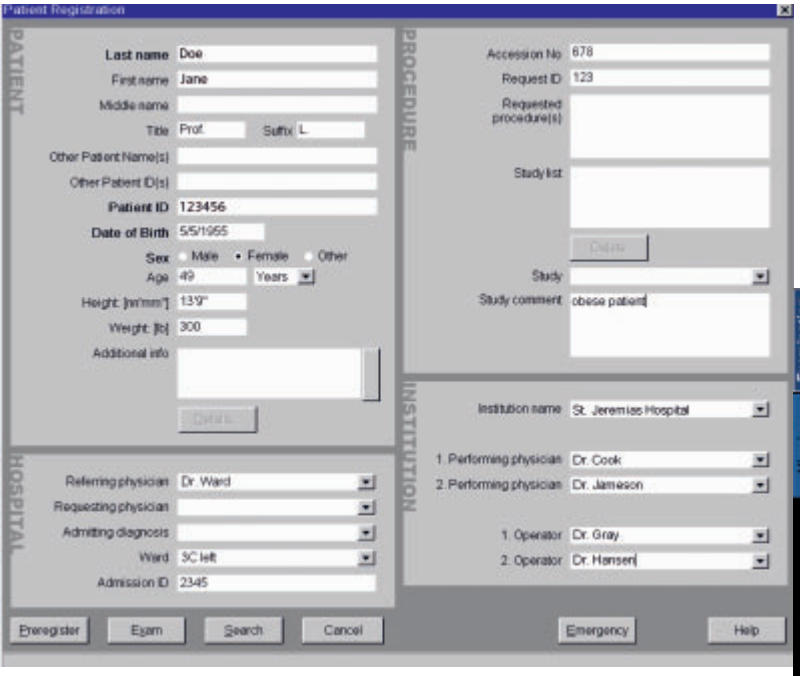
syngo, our unique solution for the diagnostic and therapeutic cycles, knows how you work. What you need. What's most important. Fast, easy, and intuitive, *syngo* brings together all of the solutions critical to you – and your patients. Uniquely role-based for your workflow, *syngo* completely integrates your day, your department and beyond. Leading to a whole new level of clinical excellence. And partnership you can grow with. It's the beginning of a virtualized, "always on, anywhere" world of healthcare. The time to *syngo* is now.

ARCADIS Varic

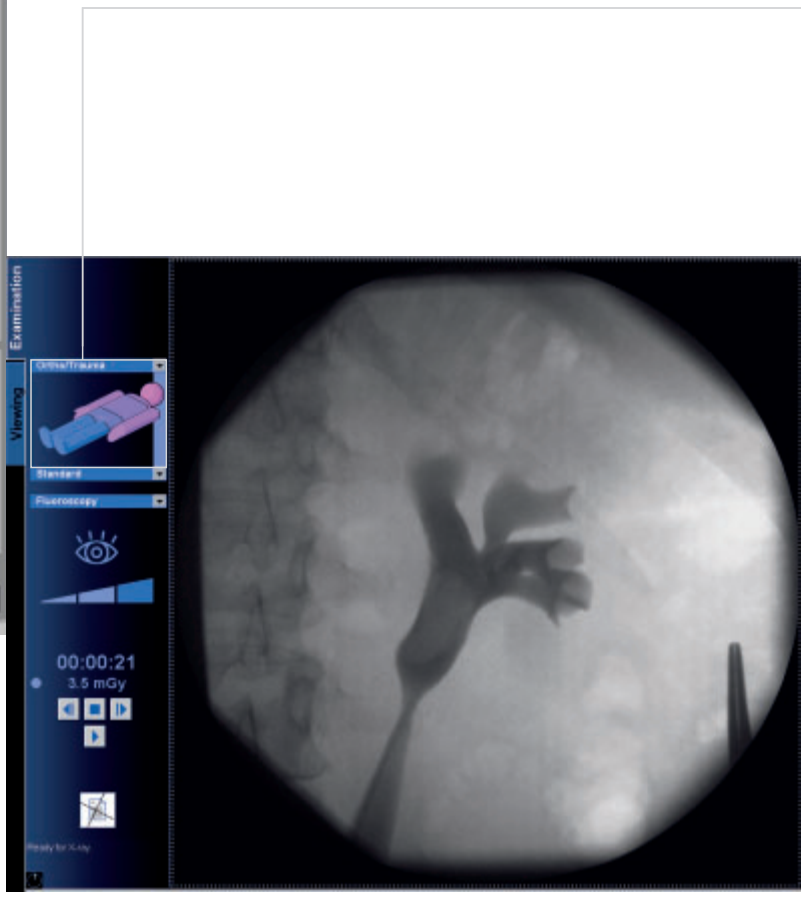
Clinical workflow at

its best

ARCADIS Varic's software is designed to support the entire clinical workflow, from patient registration to image documentation.



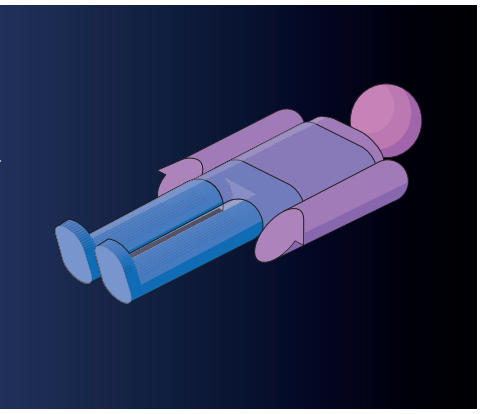
Optimal workflow for patient registration
With *syngo*, ARCADIS Varic supports virtually all DICOM 3.0 functions, seamlessly integrating your data management process into the HIS/RIS world, beginning with patient registration. You can thereby transfer all patient data directly from the hospital information system to your worklist, or query the archive for "patient search". Patient pre-registration significantly reduces your OR prep time. ARCADIS Varic also fully supports emergency registrations.



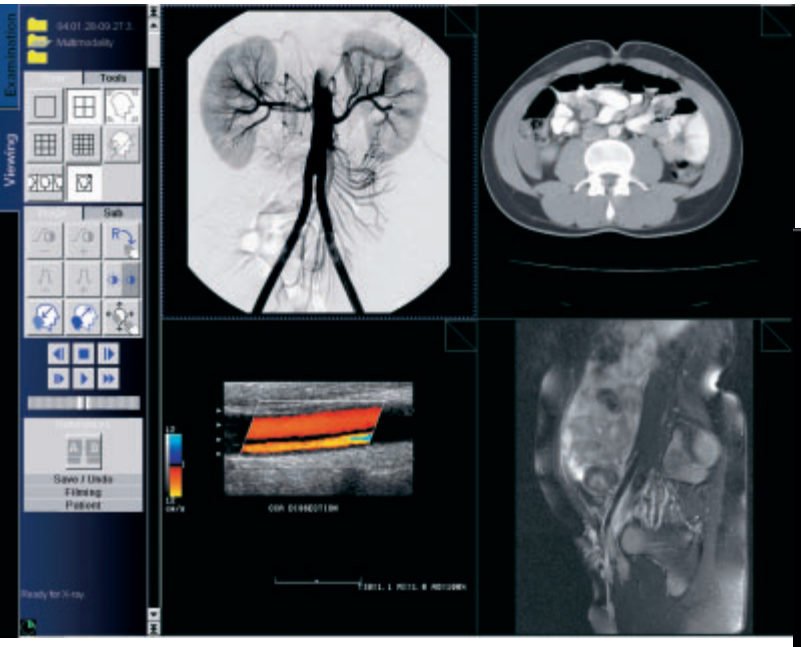
Optimal workflow during examinations
ARCADIS Varic supports the full range of X-ray-based applications in the OR. The "Examination" task card provides you with a large range of medical applications, from orthopedic and trauma surgery to vascular surgery. The specific program within these applications is intuitively selected using VPA (Virtual Patient Anatomy). Simply click on the VPA body region to be examined to select the appropriate, optimized application program. Up to 200 dedicated, application-specific programs are available. In addition, ARCADIS Varic's dose rate concept allows you to precisely adjust the dose to the required levels.

An optional Diamentor* measures the Dose Area Product (DAP) of the fluoroscopy field. The DAP result is displayed on the live monitor for easy viewing and increased dose awareness. The DAP can also be documented on hardcopy images. Alternatively the display and documentation of air kerma rate and cumulative air kerma value is possible.

* Standard in some countries.



VPA (Virtual Patient Anatomy) for the selection of the body region to be examined



Optimal workflow with multimodality viewing
Multimodality viewing (Query/Retrieve) allows you to access images from other modalities, such as CT and MR, before, during or after the OR procedure. The monitor trolley acts as an OR DICOM workstation providing you with virtually all of the necessary image information, making light boxes obsolete. ARCADIS Varic's self-explanatory icons bring the image post-processing capabilities of *syngo* to your OR staff with ease.

Fluoro Loop/LSH (Last Scene Hold)
The acquired scene starts automatically after radiation stops. Your benefit is the immediate replay of the acquired scene. With LSH up to 120 images are kept in the temporary memory for optional storage of the acquired scene.

Optimal workflow for documentation and archiving
ARCADIS Varic has a local storage capacity of 40,000 images, offering you increased flexibility. A CD burner is provided for local long-term storage in DICOM or BMP formats. A DICOM viewer is written to the CD together with the image data. This allows you to view the images stored on the CD on any computer. Naturally, you can also use DICOM to send your images to the archive or to a local or network printer. Printing is facilitated by the virtual film sheet feature, which allows the viewing and formatting of images on the workstationmonitor before printing.

Brilliant 1K² quality
throughout the entire imaging chain

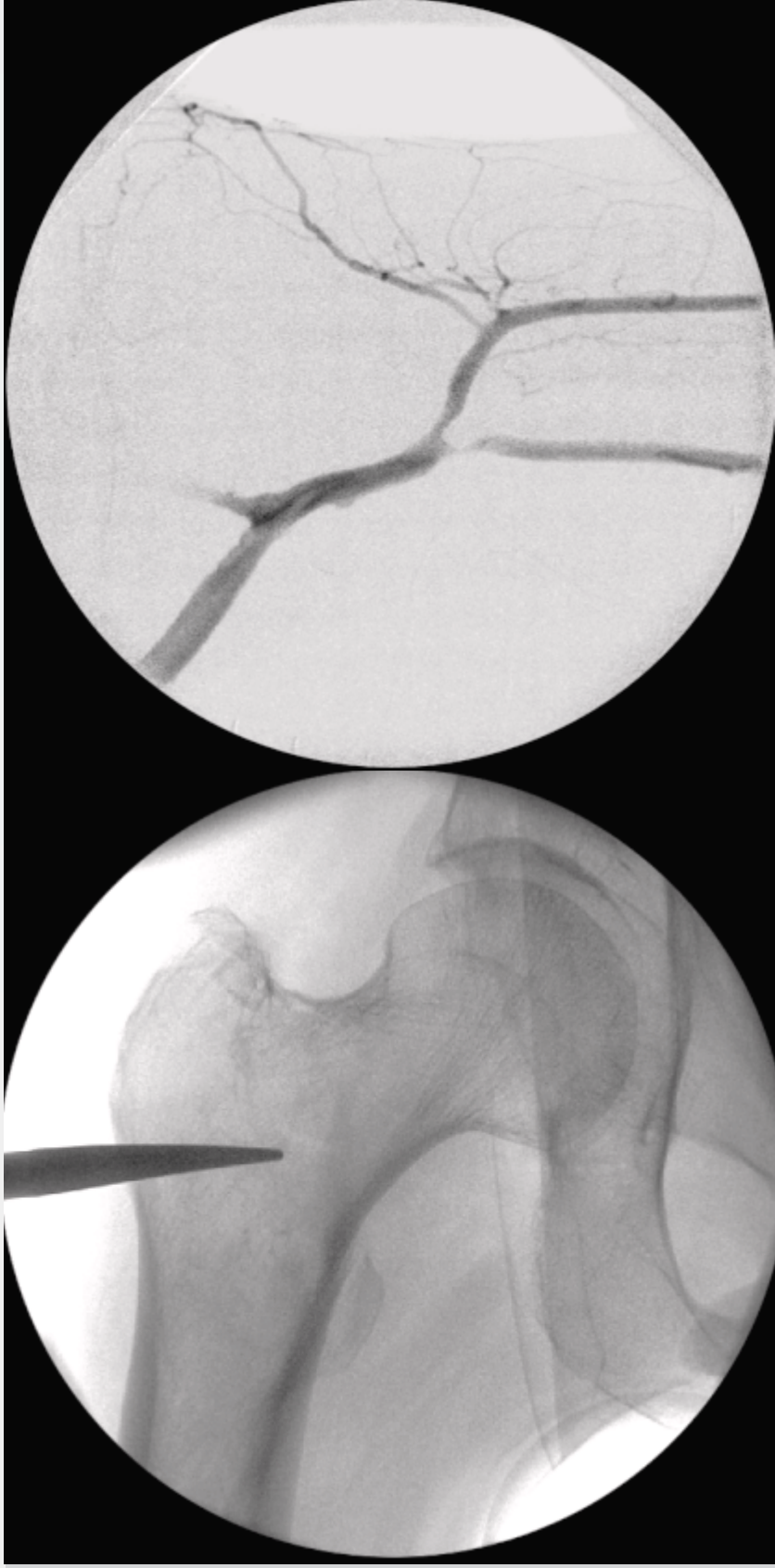
ARCADIS Varic was designed with the highest standard of image quality in mind. This unique C-arm is equipped with a **fully digital 1024 x 1024 (1K²) imaging chain**, covering everything from image acquisition to image processing and documentation.

Like all X-ray-based products from Siemens, the individual components of the entire image chain are from one source – Siemens. These ideally matched components allow ARCADIS Varic to consistently deliver the best possible image quality.

High performance for demanding applications
ARCADIS Varic delivers tube currents of up to 23 mA, which means that you are prepared for virtually any application. The enhanced "Power Mode" is available at the touch of a button when you need it most – for example, imaging the pelvis or the dense region between the pelvis and spine.

Economic video splitter solution "Monitor-Out"
With the monitor-out function, the monitor cart of ARCADIS Varic can be connected to external monitors, e.g. ceiling mounted monitors.

Excellent image quality from nearly any angle
ARCADIS Varic is equipped with advanced, flicker-free 18" or 19" flat-panel displays – available either in color or monochrome. These TFT displays feature high-brightness and high-contrast, as well as a viewing angle of 170°, both horizontally and vertically. The monochrome version provides exceptionally high brightness.



1K2

DICOM – through and through

Networking

ARCADIS Varic:
Key DICOM functionalities
The unique *syngo* software platform supports virtually all DICOM functionalities, including DICOM Send/Receive, Storage Commitment, Print, Worklist, Query/Retrieve, and MPPS. Thus, ARCADIS Varic tremendously simplifies your daily work. DICOM provides you with direct access from the OR to the entire clinical network – independent of the manufacturer.

Navigation

NaviLink 2D and NaviVision 2D:
Setting new standards for surgical navigation
ARCADIS Varic features an integrated, truly digital $1K^2$ navigation interface with automatic image transfer. For better image quality, 2D images are transferred in digital $1K^2$ format, significantly increasing the accuracy of surgical navigation. NaviLink™ 2D is compatible with the navigation systems of leading manufacturers and optimally supports the clinical workflow.

With NaviVision™ from BrainLAB we offer the first fully integrated optical navigation platform for 2D navigation with ARCADIS Varic. NaviVision provides more space for the OR team due to 20% less footprint and streamlines the clinical routine. 30% shorter prep time and flexible monitor operation will strongly optimize your clinical workflow in the OR.

CD-ROM

Autoburn-DICOM-Viewer on CD:
The interface for your PC
The ***syngo* fastview** DICOM viewer is written to the CD together with the image data. This allows you to view and to evaluate the images stored on the CD on any computer for enhanced image management.

Remote Services

Remote Diagnostics:
Our service for maximum availability
ARCADIS Varic is fully integrated in Siemens Remote Services (SRS). This means that our service is proactive rather than reactive – and therefore especially effective. The secret to SRS's success is that it operates in the background, detecting possible sources of malfunction and correcting them before they can interfere with your daily work.

Excellent handling of the entire system

In addition to *syngo* and NaviLink 2D, ARCADIS Varic is designed with additional features to optimize workflow.

Maneuverability: sometimes less is really more
Sometimes more can be achieved with less – for example, weight-sparing design. We critically examined every ARCADIS Varic component with this premise in mind. The result is a C-arm that offers optimum maneuverability, even in tight environments and under the busiest working conditions. Compact dimensions, lightweight design and excellent maneuverability – all advantages of ARCADIS Varic.

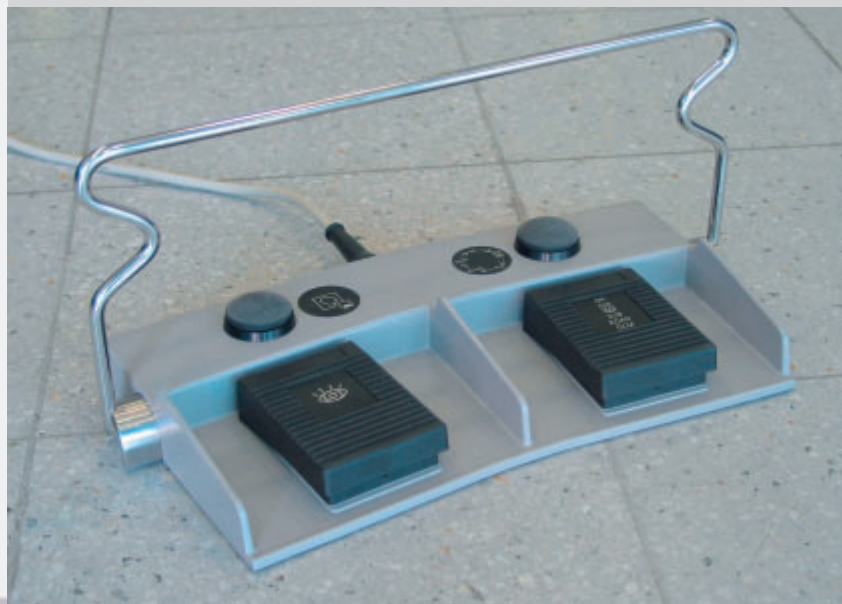
Furthermore, the ergonomically shaped steering handle and brake levers are important additions that position ARCADIS Varic as a leading C-arm in terms of user-friendliness.

Integrated image intensifier (I.I.) laser localizer
The optional integrated laser localizer is switchable from the control panel and supports easy positioning of the C-arm to the body region going to be examined.

Multifunction foot switch
This alternative to the standard foot switch leads to more user friendly operation of ARCADIS Varic. With the new foot switch, surgeons as well as OR staff control all operating modes and single image storage of ARCADIS Varic with ease.

Color code: simply clever
In order to facilitate your daily work, ARCADIS Varic incorporates a special color-coded design of the handles and C-arm movements. The steering levers, image intensifier handles, C-arm rails and brake handles, for example, are blue. Each movement of the C-arm is depicted by a color-coded measurement scale which also corresponds with the color markings on the brake handles. These color codes serve as an easy-to-understand and efficient orientation for the OR staff, allowing fast and precise positioning of the C-arm.

ARCADIS Varic –
designed in every detail
for excellent handling



ARCADIS Varic sets new standards for efficiency in the OR

syngo

- Uniform, intuitive user interface for system operation, image post-processing and networking
- Workflow-oriented task card structure
- Comprehensive networking with other modalities and clinical networks

Optimized clinical workflow

- Maximum flexibility for patient registration
- Easy, intuitive selection of application-specific programs with VPA (Virtual Patient Anatomy)
- Virtually unlimited documentation and archiving possibilities
- Fluoro Loop for immediate replay and LSH (Last Scene Hold) for optional storage of the last acquired scene

Brilliant 1K^2 image quality

- Optimally matched, continuous 1K^2 imaging chain from image acquisition to viewing and archiving
- High tube currents of up to 23 mA
- 18" or 19" high-brightness, high-contrast flat-panel displays
- Monitor-out for viewing on additonal monitors

Comprehensive connectivity and specialized interfaces

- Support of virtually all DICOM 3.0 functionalities
- NaviLink, the integrated digital 1K^2 navigation interface with automatic image transfer of 2D images in 1024 x 1024 resolution for surgical navigation
- *syngo* fastview for convenient selection and viewing of clinical images on the PC

User-friendly operation

- Excellent maneuverability due to compact and lightweight design
- Intelligent color coding for fast and precise positioning and operation

NaviVision 2D

- 20% less space required, main components are integrated in one mobile trolley
- 30% less preparation and setup time compared to single components
- Navigation image- and control monitor can be mounted either at the trolley or at the table side in the sterile field

ARCADIS Varic – an intelligent investment for today and tomorrow

Proven Outcomes.
This is what Siemens is helping to deliver right now. Outcomes that result from truly efficient workflow. Outcomes that improve your bottom line. Outcomes that lead to a level of care that feels exceptional to the patient and the care provider. Proof positive of the value of integrating medical technology, IT, management consulting and services. In a way that only Siemens can.

Life –
our customer care program

Life is the unique customer care solution from Siemens that helps you get the most from your investment. From the moment of your purchase, Life surrounds you with an array of programs and support that enables the continuous development of your skills, productivity, and technology. Allowing you to broaden your capabilities. Increase profitability. And take patient care to the next level.

NaviVision is a BrainLAB product and registered trademark in Germany and the USA, among others.

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